

Title (en)
EXHAUST PURIFICATION SYSTEM

Title (de)
ABGASREINIGUNGSSYSTEM

Title (fr)
SYSTÈME DE PURIFICATION DE GAZ D'ÉCHAPPEMENT

Publication
EP 3273023 B1 20200805 (EN)

Application
EP 16765079 A 20160317

Priority
• JP 2015054513 A 20150318
• JP 2016058560 W 20160317

Abstract (en)
[origin: EP3273023A1] An exhaust purification system is provided with a NOx-occlusion-reduction-type catalyst 32 that occludes NOx in exhaust when exhaust is in a lean state and reduces and purifies the occluded NOx when the exhaust is in a rich state, and a NOx purge rich control unit 140 that executes NOx purge of reducing and purifying the occluded NOx by putting the exhaust into the rich state by fuel injection control, in a case where a catalyst temperature of the NOx-occlusion-reduction-type catalyst 32 is equal to or higher than a catalyst temperature threshold value Temp_cat_std and a NOx occlusion amount of the NOx-occlusion-reduction-type catalyst is equal to or higher than an NOx occlusion amount threshold value STR_thr_NOx, and executes the NOx purge even when the catalyst temperature is lower than a catalyst temperature threshold value, in a case where the NOx occlusion amount is equal to or greater than the occlusion amount threshold value, a fuel injection amount resulting from an accelerator operation is equal to or greater than an injection amount threshold value Q_thr_std, and an exhaust temperature detected by a first exhaust temperature sensor 43 is equal to or higher than an exhaust temperature threshold value TEMP_thr_DOC.

IPC 8 full level
B01D 53/94 (2006.01); **F01N 3/08** (2006.01); **F01N 3/20** (2006.01); **F01N 3/36** (2006.01); **F02D 41/00** (2006.01); **F02D 41/02** (2006.01); **F02D 41/04** (2006.01); **F02D 41/12** (2006.01); **F02D 41/14** (2006.01); **F02D 41/18** (2006.01); **F02D 41/24** (2006.01); **F02D 41/40** (2006.01)

CPC (source: EP US)
B01D 53/94 (2013.01 - EP US); **B01D 53/9422** (2013.01 - US); **B01D 53/944** (2013.01 - US); **F01N 3/0814** (2013.01 - EP US); **F01N 3/0842** (2013.01 - EP US); **F01N 3/0871** (2013.01 - EP US); **F01N 3/20** (2013.01 - US); **F01N 3/206** (2013.01 - EP US); **F01N 3/36** (2013.01 - EP US); **F02D 41/027** (2013.01 - US); **F02D 41/0275** (2013.01 - EP US); **F02D 41/1446** (2013.01 - EP US); **F02D 41/405** (2013.01 - EP US); **F01N 2430/06** (2013.01 - EP US); **F01N 2430/085** (2013.01 - EP US); **F01N 2550/03** (2013.01 - EP US); **F01N 2610/03** (2013.01 - EP US); **F01N 2610/146** (2013.01 - EP US); **F01N 2900/0422** (2013.01 - EP US); **F01N 2900/08** (2013.01 - EP US); **F01N 2900/1602** (2013.01 - EP US); **F01N 2900/1614** (2013.01 - EP US); **F01N 2900/1821** (2013.01 - EP US); **F02D 41/0007** (2013.01 - EP US); **F02D 41/0235** (2013.01 - EP US); **F02D 41/04** (2013.01 - EP US); **F02D 41/123** (2013.01 - EP US); **F02D 41/1454** (2013.01 - EP US); **F02D 41/1463** (2013.01 - EP US); **F02D 41/182** (2013.01 - EP US); **F02D 41/2448** (2013.01 - EP US); **F02D 41/2454** (2013.01 - EP US); **F02D 41/3005** (2013.01 - US); **F02D 2200/0616** (2013.01 - EP US); **F02D 2200/0802** (2013.01 - EP US); **F02D 2200/0806** (2013.01 - EP US); **F02D 2200/101** (2013.01 - EP US); **F02D 2200/602** (2013.01 - EP US); **Y02T 10/40** (2013.01 - EP US)

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